

LEAD-ACID BATTERY

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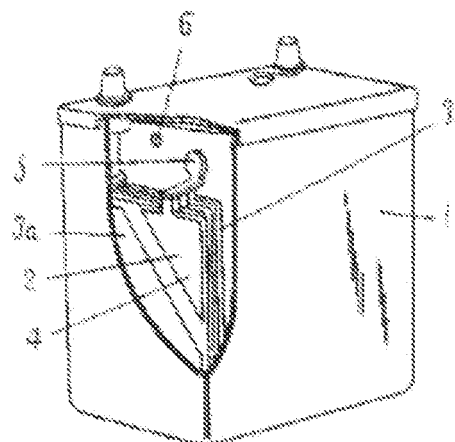
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Abstract of JP62064057

PURPOSE: To reduce the corrosion of lead parts by forming lead parts such as a cell connector and an electrode post with a Pb-Sn-Ag alloy containing a specified ratio of Sn and Ag. **CONSTITUTION:** A plate group 2 is accommodated in each cell of a container 1, and connected to an adjacent cell via a partition with a cell connector 5. A lug of plate grid is formed with a Pb-Ca alloy and lead parts such as the connector 5 and a post are formed with a Pb-Sn-Ag alloy containing 0.1-5wt% Sn and 0.01-0.5wt% Ag. By using Pb-Sn-Ag alloy, the small amount of silver existing in the alloy prevents crack generation near the welding surface, and retards the penetration of oxygen into the inside of the alloy because Ag is easily bound with oxygen. Therefore, the progress of corrosion is retarded in addition to corrosion resistance of silver.



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